



Contactors, 3p, 37kW/400V/AC3

Part no. DILMC80(48V50HZ)
Article no. 239606
Catalog No. XTCEC080F00Y

Design verification as per IEC/EN 61439

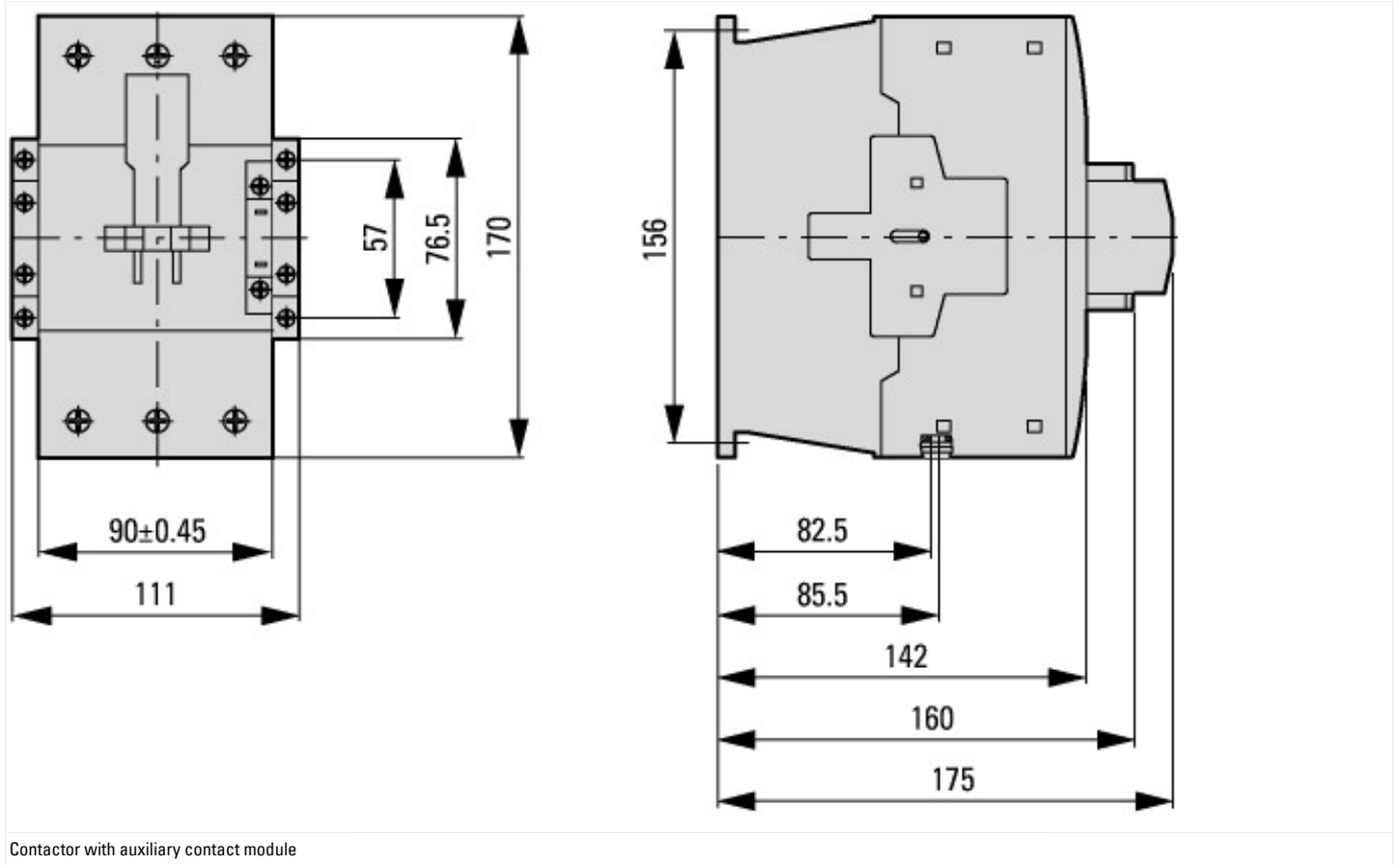
Technical data for design verification				
Rated operational current for specified heat dissipation	I_n	A		80
Heat dissipation per pole, current-dependent	P_{vid}	W		3
Equipment heat dissipation, current-dependent	P_{vid}	W		9
Static heat dissipation, non-current-dependent	P_{vs}	W		5.8
Heat dissipation capacity	P_{diss}	W		0
IEC/EN 61439 design verification				
10.2 Strength of materials and parts				
10.2.2 Corrosion resistance				Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures				Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat				Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects				Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation				Meets the product standard's requirements.
10.2.5 Lifting				Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact				Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions				Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES				Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances				Meets the product standard's requirements.
10.5 Protection against electric shock				Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components				Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections				Is the panel builder's responsibility.
10.8 Connections for external conductors				Is the panel builder's responsibility.
10.9 Insulation properties				
10.9.2 Power-frequency electric strength				Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage				Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material				Is the panel builder's responsibility.
10.10 Temperature rise				The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating				Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility				Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function				The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

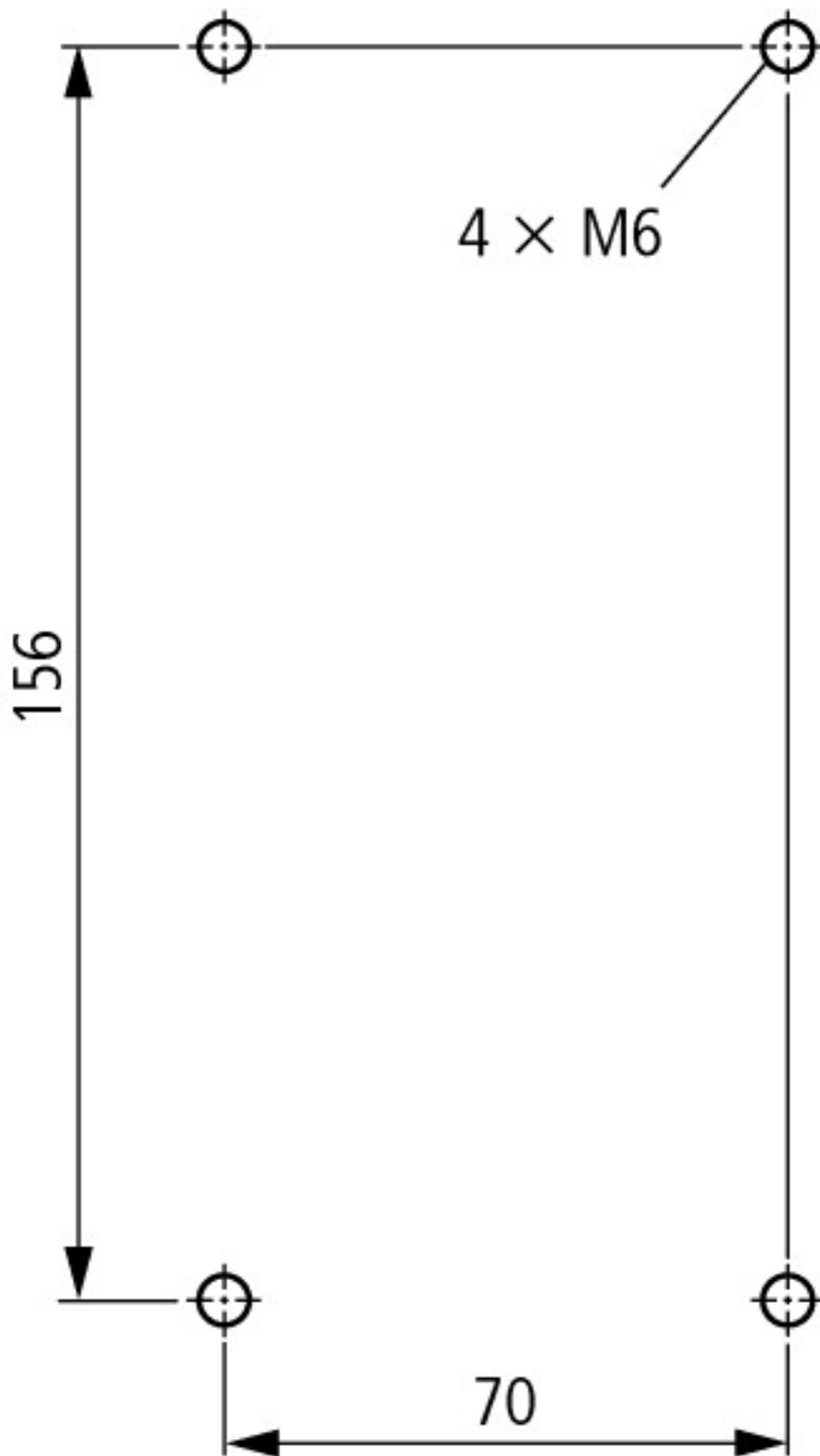
Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss8.1-27-37-10-03 [AAB718012])				
Rated control supply voltage U_s at AC 50HZ		V		48 - 48
Rated control supply voltage U_s at AC 60HZ		V		0 - 0
Rated control supply voltage U_s at DC		V		0 - 0
Voltage type for actuating				AC
Rated operation current I_e at AC-1, 400 V		A		110
Rated operation current I_e at AC-3, 400 V		A		80
Rated operation power at AC-3, 400 V		kW		37
Rated operation current I_e at AC-4, 400 V		A		40
Rated operation power I_e at AC-4, 400 V		kW		20

Modular version		No
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Type of electrical connection of main circuit		Spring clamp connection
Number of normally closed contacts as main contact		0
Number of main contacts as normally open contact		3

Dimensions





distance at side to earthed parts: 10 mm

DILM80...DILM170
DILMC80...DILMC150
DILMF80...DILMF150